

Amendments to the Claims

1. (previously presented) A network configured to dynamically and intelligently route requests for services provided by service provider servers, comprising:

a computing device utilizing an Internet service provider (ISP) to communicate over the network.

an association of at least two application service provider servers coupled with said network, said association comprising:

a first application service provider for providing a first type of application service; and

a second application service provider for providing a second type of application service, wherein said first type of application service is different than said second type of application service;

an ingress server configured to receive a request for an application service from the computing device over an established network connection;

service routing server utilizing a predetermined application criteria to intelligently select one of said at least two application service provider servers based on said application request received from said computing device, and intelligently routing the computing device application service request over the network to the selected application service provider server to perform the requested application service; and

an application service provider server register configured to maintain current application service provider server information for at least one of said at least two application service provider servers providing said application services.

2. (previously presented) A network according to Claim 1 further comprising a qualifying device configured to intelligently qualify an application service provider server according to predetermined criteria, wherein the application service provider server may become associated with the network.

3. (previously presented) A network according to Claim 2 wherein the qualifying device is configured to qualify an application service provider server based on application service quality criteria.

4. (previously presented) A network according to Claim 2 wherein the qualifying device is configured to qualify an application service provider server based on application service routing criteria, and wherein the service routing server includes routing code for enabling a processor to route client requests to an application service provider server by executing the routing code.

5. (previously presented) A network according to Claim 2 wherein the qualifying device is configured to qualify an application service provider server based on the type of service offered by the application service provider server.

6. (previously presented) A network according to Claim 1, wherein the network includes a plurality of service routing servers and a router table propagator configured to intelligently propagate updates of routing tables that may exist in each of the plurality of service routing servers.

7. (previously presented) A network according to Claim 1, wherein the ingress server includes a service routing server configured with routing code to route client requests to an application service provider server and an application service provider server register configured to maintain current service provider server information.

8. (previously presented) A network according to Claim 1 further comprising a plurality of application service provider servers that are affiliated with the ingress server, wherein the ingress server is configured to route client

requests to one or more of the application service provider servers according to predetermined criteria.

9. (previously presented) A network according to Claim 1, wherein the application service provider server register includes a routing table containing property information pertaining to an application service provider server.

10. (previously presented) A network according to Claim 1, wherein the application service provider server register includes a routing table containing property information pertaining to an application service provider server including operation status information and type of application service information.

11. (previously presented) A network according to Claim 9, wherein the routing table includes a look-up table containing property information pertaining to an application service provider server that can be looked up by the service routing server.

12. (previously presented) An ingress server configured to route a client request to an application server, comprising:

a router configured with routing code to route client requests over an established network connection to an application service provider server, said service routing server utilizing a predetermined application criteria to intelligently select one of said at least two application service provider servers based on said application request received from said computing device, and intelligently routing the computing device application service request over the network to the selected application service provider server to perform the requested application service;

a parameter reviewer for reviewing and qualifying the adequacy of an outside server's parameters to qualify the adequacy of the submitted parameters;

an application service provider server register configured to maintain current application service provider server information, said register based on the qualifying of said outside server's parameters, said application service provider server register comprising:

a first application service provider description including a first type of application service provided by said first application service provider;
and

a second application service provider description including a second type of application service provided by said first application service provider, wherein said first type of application service is different than said second type of application service; and

a monitoring thread for monitoring the outside application servers performance of the service and return of the results to the client.

13. (previously presented) An ingress server according to Claim 12 further comprising a qualifying device configured to intelligently qualify an application service provider server according to predetermined criteria, wherein the application service provider may become associated with a service routing network.

14. (previously presented) An ingress server according to Claim 13 wherein the qualifying device is configured to qualify an application service provider server based on service quality criteria.

15. (previously presented) An ingress server according to Claim 13 wherein the routing device includes routing code for enabling a processor to route client requests to an application service provider server upon execution, and wherein the qualifying device is configured to qualify an application service provider server based on service routing criteria.

16. (previously presented) An ingress server according to Claim 13 wherein the qualifying device is configured to qualify an application service provider server based on the type of service offered by the application service provider server.

17. (Original) An ingress server according to Claim 12, wherein the network includes a plurality of routing devices and a router table propagator configured to intelligently propagate updates of routing tables that may exist in each of the plurality of routing devices.

18. (previously presented) An ingress server according to Claim 12, wherein the application service provider server register includes a routing table containing property information pertaining to an application service provider server.

19. (previously presented) An ingress server according to Claim 12, wherein the application service provider server register includes a routing table containing property information pertaining to a application service provider server including operation status information and type of application service information.

20. (previously presented) An ingress server according to Claim 12, wherein the routing table includes a look-up table containing property information pertaining to an application service provider server that can be looked up by the routing device.

21. (previously presented) An ingress server according to claim 12, further comprising a subscription module configured to route a client request to an application service provider server according to subscription criteria.

22. (previously presented) A method for routing a client request to a pre-qualified application service provider server, wherein such routing is performed by a routing server having an application service provider register, comprising:

receiving a client request for an application service to be performed by an application service provider over an established network connection;

analyzing the client request to determine the type of application service that is requested;

developing a register for said application service provider, said register qualifying said application servers based on the parameters of the services provided by the application service providers, said register for said application service provider comprising:

a first application service provider description including a first type of application service provided by said first application service provider; and

a second application service provider description including a second type of application service provided by said first application service provider, wherein said first type of application service is different than said second type of application service; and

checking the application service provider register for a pre-qualified application service provider server that is capable of performing the requested application service;

providing a graphical user interface for providing a choice to a user among a number of said application service providers that offer a service that is responsive to said client request; and

utilizing a service routing server to route the request to said application service provider, wherein said service routing server utilizes a predetermined application criteria to intelligently select one of said application service provider servers based on said application request received from said computing device, and intelligently routing the computing device application service request over the

network to the selected application service provider server to perform the requested application service.

23. (previously presented) A method according to Claim 22, further comprising the step of choosing an application service provider server from a number of application service provider servers that have been requalified by the routing server for particular application services.

24. (previously presented) A method according to Claim 23, wherein choosing a service provider server from a number of application service provider servers is performed by the routing server according to predetermined subscription criteria.

25. (previously presented) A method according to Claim 22, further including intelligently propagating router table updates to application service routing servers.